LM : Florida

LEE O. MILES
COLLECTION

50174

Manufactured by
U. S. Government Printing Office

LMO-49

Capt. O.D. Bryant of Shrimpboat
"Margaret R"

In 18 fathoms at edge of
Mexican waters 80 mi SW of
of Brownsville, Texas.

5-7-49

Shrimp boat - 80 mi S. Brownsville

Busycon canaliculatum.
Murex fulvescens - shell only.
Ionna galea - shell only.
I. perdix permuta - shell only.

LMi-49

5-8-49, June 7 30 AM to 12 M

At point near fishing docks.
Rocks located in & west ½ channel
of Lower Basin and bottom of stiff
clay, mo sand. Water muddy
Rocks & sand bars covering 15' down
Within shoreline - Upper Basin mud bottom

Temp. Surface water 26.0 C at 8 30 AM
27.2 C at 12 M

Hours collected	4.5 hrs.
" travel	1.0
" the field	3.5
Congestion Specimens	2.0
" Lab	1.5

Number of grunts Chl 100

Port Isabel, Texas

Crepidula plana in old shells
Siphonaria sp. rocks
Acmaea carinensis ? " "
Crepidula fornicata on shells mostly
Astraea sp. rocks
Hermit crabs in old shells {Busycon Spectri. Thais
Thais floridana (Common on rocks, also some on mud bottom
Littorina zegzac
Littorina zegzac - C

LMr -49

5-9-49; from 8[15] AM to 12[30] P.M.

Cr rd runs N out of Arecibo, along old pier. Piles covered oysters and on clayey flats to sea. Bottom oblique by 6"-12" sea weed. Soil stiff clay, water milky, everything covered by clay silt.

Living surface water H. 5° C - 8[30] AM
27.5° C - 12[30] PM

Hours collected 4.0 hrs
Towed 1.0 "
Field 5.0 "
Preserving specimens 2.0 "
Time 7.0 "

Mrs grunts Cat 1/100

Port Isabel Docks

On piles
oysters - attached
Thais floridana - clinging; laying eggs

On nearby clay flats, sea weed 6", 12" water shallow (5'-4' at low water)
Fasciolaria gigantea - eating a live Thais floridana
Thais floridana.
Busycon perversum
Chione

On empty shells of Busycon, Thais Fasciolaria & Polinices, found:
Crepidula
Crepidula formicata
C. aculeata ?
C. convexa ?
Ostrea
Serpulid casts & tubes.

LM 3 - 09

5 - 10 - 09: from 6°Brix to 10.5° Brix

5 g NaNO3 per liter, 300 ml per bucket
LM 1 - 09

Temp 3 A.M. 16.0 C
17.5 C

Mean collected	4.00
Loss	1.10
Total	5.10
Subsamples	2.0
Total	7.0

No change in sugar.

Port Sonter Trip

Leave at LM 2 - with pail
Ice chest with plastic

LM 4-49

5-12-49; 9 | June 10 0 Cam = 28 C.m. Tide
40 B.m. 9.5 P.m. Ft. Ct.

Dr. Longhurst moved on South Prong Island (where supplied 9 + 2 Dec.)
Shoaled water, coral sand, mud
2 hauls 100' from bottom stopped every 10'
A. 2 mud pile of 28 sharp-tailed
1 crippled clapper by mid-day.

Ostrea - 2, 3
Mytilus - 2 Specimens - 2, 3, 4, 5
Brunneche and oyster - 1, 2, 3, 4, 5
Littorina scrupea - 2, 3, 4
Crabs, in bottom. Number in

B Ba - mud flats, shoal water
Longhurst Avicennia. 10-15' Tides
Ba - mud flats
Hamiltonia - 1 - 2 - 3 - 4
Crepidula plana - 1 - 2 - 3 - 4
Crabs - Sue - 1 - 2 - 3 - 4 = Collected Island
Rat in bottom - 1 - 2 - 3 - 4 - Specimens

C. Ba - shoal sand shoals, intertidal, sometimes deposit -
Dr. Longhurst in Commissary Island

South Prong Island
at
Camp Murray, Florida

Temp. 5 W 24.0 C. 10 0 Cam
25.1 C 2 P.M.
24.5 C 7.15 P.M.

Collected 7.0 lbs
Island —
Specimens 2.0
9.0 lbs

L M S - 49

5-15-49 ; from 8:30 a.m. 11:30 a.m.

At Pumice Rock in San Carlos Bay
½ mi. E of ferry slip [to Sanibel].

Shelly sand ridge, crest 5 m
[illegible] water 2' deep. 250-300 ft.
Scattered patches of [illegible] sand
Transgressive out into Bf 3 + 4.

Temp. 5 ft 8:30 a.m. 27.0 C
11:30 a.m. 28.4 C

Calcareous	3.0 hrs
Ferruginous	1.0 hr
	4.0 hrs
Specimens	2.0
	6.0 hrs

[illegible]
[illegible]

(Type area
Sanibel Island)
Pumice Rock, Florida

San Carlos Bay

Zone 1 - 3 ft. [illegible] crests (clean)
Pectinaria, Dinocardium - on slope
& trough plain by rock, Bf 1-4.
Crests [illegible] [illegible]

Bf. 3 & 4 -
Pectinaria common [illegible]
Some [illegible]
Dinocardium [illegible]
Crepidula formicata [illegible]
Mercenaria [illegible]
[illegible]
Polinices [illegible]
Crucibulum [illegible]
[illegible]
Chione [illegible]
Cardium [illegible]
[illegible]
[illegible]
[

LMB-49

J-12-49, from 3:30 PM - 6:15 PM

Where "Creek" comes down from interior
and east of Bay.

Brown pebbly clay and silt. Fossiliferous.
Silt along inner shore of small island.
Bottom above sea level.

Temp. 77.5 C. water cool, a whole
bucket is the above when drawn other places.

Collected	3.0 hrs.
Found	1.0 hrs.
	4.0 hrs.
Sorting	1.0
	5.0 hrs.

Carr 1st

Monroe Island, Cont.

Cardium Big Bivalve
Nucula Sibet
Astarte
Protothaca Carina
Pecten Stearnsi
P. alaskensis - Hemphillii
Macoma inconspicua
Tellina
Saxidomus (Small)
Trachycardium Corcanum (Rough Card.)
Mytilus Pugetensis - Edulis Locker Small Size
Nucula (Small)
Bivalve - Gem size
Polynices Lewisianus (Small Moon Snail)
P. pallidus (Thick) Large
Sea urchin (Mid-brood to Small size)
2 to 3 inch
Starfish - Leather Forbesi?
Crab Cancer - 1
Tellina - Sea bean Stearnsi
Pyrgulina (Top Turret) Sea bean 3/4

LMT-49

5°-16-49; 6:30 p.m.; 8° Cam.

On sand beach when inlet cuts off small sand island. Tide too high to permit collecting in bays. Collected for beach - mostly empty shells

Temp 27.0 C 8 Cam

Collected	2 lbs.
Sand	1 lbs.
	3.0 lbs.
Specimens	0.5 "
	3.5 lbs.

Use Acetobrag against LMT, some flies.

Mexico Island

Strombus - gracilior
Pleuroloma
Conus variabilis
Terebra - dislocata
Busycon perversum
Epitonium
Bulla vesicularis?
Olivella jaspidea
Crepidula - convexior
Calliostoma jujubinum
Cerithidea
Plicatula gibbosa (Kittens paw)
Noson Abert
et al.

LM 8-49

5-16-49; fr 11 a.m. - 6 p.m.

Same as LM 6, except in
6. Concentrated on cord above
& 2 adjacent. In this, covered
all bases & spread, in both
found little difference in Sperm
present.

Collected 10 hrs.
Travel (Sept MC) 10 hrs
Specimens 2.0 hrs
10 hrs.

Med Case 100

Nurses Record.

Same as LM 6.

No longer transmission gonococci
at which Hemet Center this year,
where many have gone - both men
& 11 F. Gonococcus Urethritis.
Other Pathogens, same strains.
Change in Nurses personnel.

LM 9-49

5-17-49; from 2:00 P.M. to 6:35 P.M.

On west coast Key Largo 1.4 mi. S of Rock Harbor Lodge, in Florida Bay

Shore of shoreward end, Cove 1
Coral head 1' thick 100' north. No sand
Sq. 43 coral zone with dense
coral and sick growths. Coral zone
about 50'-75'-100' out to sand zone,
with a zone 3' deep between.

Temp. 32.0° C at 2 P.M.
31.5° C at 6:35 P.M. Incoming tide

Collection	Hydro
Formol	0.5"
	4.5"
Opium	2.0
	6.5"

No change for Cov.

Florida Bay

Key Largo - west coast

Collected
Gone 2 & 3
Foraminifera
" with hermit crab
Blackish-white bivalve in Batillaria mud
Barley clams on rock bottom
Keyhole limpets on ½" "
Mussels " " "
Arca (like) shells " " "
Corallines, Lithothamnion
Small white clam
Chiton
Brown clam, ½" long
Gastropod
Sponge, green mat.
Green gelatinous Coelenterate?
Egg cases.
Worms, in hollow coral and with Bostrychia
Crabs
Serpulorbis (Worm in coral)

Sq. 1 [illegible]
Mytilopsis sallei
Bittium floridanum

LM 10-49

5-14-49; from 7:30 Am. 11:00 Am.

On board vessel "Key Largo" (in Florida Bay)
at point 7,2 mil S.W. of Channel Rock Key

Shore & bottom animals
LM 9, plus numerous specimens
in Grabs 1, 2 & 3. Bottom slope
less suitable, more sand present

Temp: at 7:30 Am 25 °C
" 11,00 " 28.5° C

Collections 3,5 hrs
Travel 0,5 "
4,0 "
Specimens 2,0 "
6,0 "

Wind NW 15°

Florida Bay

Key Largo. vessel

Same as LM 9, plus

Pagurus marcianorum
Alpheus
Serpulids, Leucothoids, Gnatia
Cerion (Turbinidae)
Reticulata

LM 11-49

5-19-49; from 11 30 a.m. - 3 30 P.M.

On West Coast Key Largo at point about 0.6 mile NE of Rock Harbor Lodge, Barracuda Bay type. Predominant channel.

Short homogeneous coral reaching from 0.6" to 30" above low water, and with many loose coral rocks. Bottom of coral covered by sand, ranging rapidly to 2' at 20' out from shore. Sand 3 to 5 only 10 - 15' wide.

Temp. at 12 22 P.M. 79° C

Collection	4.0 hrs.
Travel	0.5 "
	4.5 "
Specimen	1.0 "
	5.5 "

Cor 12

Small Coral Key
Bullard's Island
Key Largo - West

Gpv
- Tracheophora { Asteroidea / Echinoidea
- Pinctada radiata
- Modiolus squamosus
- Pecten irradians
- Mercenaria campechiensis (young)
- Scale worms
- Worms in flexible tubes, shell covered for protection

Hermit crab
Tree oyster
Epitonium
Terebra dislocata
Melongena corona

LM 12-49

5-19-49; from 4:30 P.M. to 8 P.M.

Along Co. Road (old highway) 5.0 miles above fork where U.S. 1 leaves old road for Fort Lauderdale.

Collected tree snails. Generally found one on each thin-barked tree, large or small, of two species. Both have dark protective coloration, one a cream color, the other brown. Both have regular set pattern of lines. Both could be found on leaves during day, but always in shade, and in closed compartment of leaf.

Collected 7½ hrs.
Found 1.5 "
4.0 "
Ejected 0.5 "
4.5 "

Car 52°

Key Largo - Old highway - Legun

Tree snails
Liguus.

Mostly white, little color.
Larger ones

LM 13-49

V. 20-49; from 7.30 Aug - 10th P.M.

Key Largo, Rock Harbor, on East (ocean) coast
2 miles S.W. of Buttonwood Point S.W. along
rocky shore, Coral, much honeycombed,
up to 2' above Harmonic.
Bottom consists of coral sand pockets
occasional inlets of low shore with
mangroves with water.
Z 7 4 3 from 20' to 25' water.

Temp. at 8th Aug 27.0°C; at 10th Aug 28.0°C.
at 10th P.M. 29.0°C.

Collected 5'.5" hrs.
Travel 0.5 "
6.0 "
Specimens 2.5 "
8.5 "

No cars change.

Key Largo - East. "Rock Harbor".

Nerita peloronta - Bleeding tooth Z 1
" tesselata - Banded " Z 1 4 2
" versicolor - Red " " Z 1 4 2
Cypraea pyrum LINNE Zebra " " Z 1 4 2
Fasciolaria Z 4
Pleuroloma alata Z 2 4 3
Bursa corrugata Z 1 4 2
Cerithium floridum Z 2, 3, 4 4
Thais deltoidea - Z 2
Vasum muricatum - Z 2 3 4 4
Small ones buried in sand, Eastern Point
Pinna muricata, from 8th Aug 4
Strombus gigas, Conch - 2 3 PM
Purple Sponge, Mottled with Green Spots
Crab
Chitons (purple ink)

LM 14-49

S-20-49, fm 40° 8 m - 70° 8 m

Same as LM 12, but further up Key (N.E.)

Collection 3,0 hr.
Travel 1,0 "
4,0 "

Ø. veg. Spec. 1,0 "
5,0 "

Cont 180-

Key Largo (Old Key), Lagun

Lagoon - got many yellow Crinoid, and some juvenile also other species.

LM-15-69

S = 21.49; from [illegible]

From Goldwin Pier S.W. 0.7 mi. to where called LM13. (S-10-W)

Similar shore.

Temp. at 10 00 Bm 28.0°C
12 M 30.0°C
1 P.M. 31.0°C

Collected 3,5 hrs.
Travel 0,5 "
4,0 "
Specimens 2.0 "
6.0 "

Mr CW
1 gls Alcohol @ 20 1.20
2 gls Formalin 1.40
2.60

Key Largo - East, "Rock Harbor"

Cercomonas - Gj 3 mi, attached to inside rocks of groups. Extended inside Spirides canals, small Gj 3 under rock Chloro-cellulosa &c
Identified onto, pap. in 7 oz. bottle
Groups from rocks under rock on Gj 4
Algae mixed {Bryopsis
H. filiformis
Purple sponge
Lyphonema - Gj 2 & 3.
Brown micrococcus
Filiformes - Brown branched bunch. Gj 1
Tr. chlorophyceae rare
Diatoms (polygastrula) } Gj 1 & 3
" - a long narrow Naviculoid }

LM 16-49

5-22-49; from 1/2 Mm. 10[35] Cwt

Sr Florida Bay, on west coast Key Largo
Cast 1/2 Pelican Key, 1/2 point 0.2 mi. NE.
of "Mystery" as local extra development
known as "Bay Haven". Collecting
done in small cove made by a
100' jetty behind which is gathered
dry[black] sea & litter over small wall

Collection 3.0 hrs.
Travel 0.5 "
3.5 "
Sjourn 3.0 " (Commenced)
6.5 "

Cont 1[00]

Key Largo - west

Melongena corona (Smith, Conq[Inv] 5[y])
In bunch, 9 2 4 3.
Specific id clo:
Batillaria minima
Cerithium -
Fasciolaria
" distans with Hermit crab
Muricanthus " " "

LM M-49

5-22-49; from 2 15 P.m. - 6 20 P.m.

Same site as LM 10

Temp. 2 30 P.m. 30.1

Collection 4.0 hrs
Travel 0.5 "
4.5 "
Spec. 1.0 "
5.5 "

Cat 100

Key Largo - Coral

Young Montastrea Crust (just with LM 9)
Cerianthus 3 3.4
Bunodeopsis "
Porolepsis "
Hermit crab
Fish -
Pocillopora meandrina
Sponge

LMR-49

V-23-49; June 9, 1130 a.m.

On west side of Key Largo, at mouth of D.S. on S. of "Molly Point", in small cove near Hammer Point, in Florida Bay.

Water from Com Coral Sand bottom to low coral rock bench (at mid tide) about 1' above.

Sand washed.

Temp. 30.0°C

Collection 3.5 hrs.
Travel 0.5 "
4.0 "
Spec. 2.0 "
6.0

Cold
Calm 1st
Calm short 2 gal. 1 1/2 qts

Key Largo - West

Boring carbs - calcareous? 3 4
Shale - coral sand bottom, clear. 3 4
Trachyta fimbriata " " 3 4
Sea anemone - bottom rocks, Southern side
Green algae - under rocks 3 3
Sponge, Red finger 3 4
Coral 3 4, on Scattered
Miscellaneous fishes - on & under bay
Crabs, Red 3 3 4

LM 19-19

Collected
Broods
Eggs
Cow
Calf
Percentage

LM 25-49

5-25-49; from 10 am - 2.15 PM

Off Pigeon Key, 3 or 4 fathoms
Zostera, Halimeda, Sponges, Coral
Thro 4 inch depth. Bottom, Coral rock
Sand, Some rounded Rocks, Halimeda
with Sea pansies, Some Coral & Sponges.
Many purple sea urchins in pockets
in Coral rock &c.

2 - 43 - Limited Area.
Pennatula - Thais deltoidea
Murex
Allen Spondylopsis
Cardita - 4 species

Temp. at 10 cm Depth.
6' - 33.0 C
1' - 31.5 C
7' - 31.0 C

Off Pigeon Key - East

Plantation Key Ein

Cottam {Europe} hom
Nettleton Creek, heavy clear.
Cont. to Blackbird
Small Sp. creek.
Deer creek
Pelham Co.
Kingston. Small red clay
N. Cottam Europe
Lexington Chert.
Small Sm. Red - Silt.
Kingsville
Ridge
Glenwood - Luzerne gr.
Small Mississippian Shale
Dark red - Tenn. residuum
Cumberland. Limestone - Sp
Ill. Sp. Shale & interbed Sp. Limestone
Dunning
Green Red Brown
Alamo Sp. Cottam
Limestone fossiliferous pebble in the
Red Clay
Red Clay Mississippian Shale & Sp. Limestone
Sp. gravel
Cumberland

Collected 4.5 Lbs
Packed 1.5 "
6.0 "
Specimens 1.1 "
7.5 "

Specimens retained 350
Duplicates 135
Exchanged 100
585

2 Novembre

5-18-19; 4h30 PM - 7h30 PM.

Aliments déshydratés en vente dans
[illegible] Jean Talon Est
à Montréal, Province de Québec.

Un [illegible] Légumes, fruits,
viandes, poissons, soupes, etc.
Produits [illegible] marque Bull
Vous trouverez plus de [illegible] produits
à base de légumes, fruits, soupes, etc.
[illegible] Vous trouverez également
[illegible] [illegible]
[illegible]

Calcium 3,0 lbs
Iron 1,0 lbs
4,0 lbs
Phosphorus 1,0 lbs
5,0 lbs

Carrots 1 lb

Kellogg's Head Office
Battle Creek
Michigan

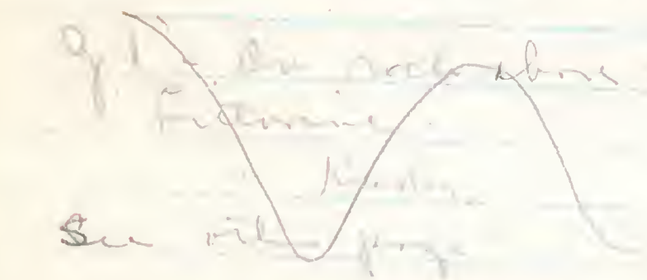
Dear Sirs,

I have a few questions
that I would like to ask
concerning

Your Plant Control

LM 23 – 29

5-27-29 ; from 10[th] a.m. – 2[th] P.M.



Collections 4 lbs.
2 rod 1.5
5.5 lbs
Specimens 3.0 (Excl. mollusca)
8.5.

Cost $1.00

LM [illegible]

Dec SE on Coral side of [illegible]
and a quite common Key, bordered by
near Inlet Bridge, and [illegible]
A. On rocks on point (Inlet)
B. On sand washing [illegible] 1½ to 2 deep
at mean low tide [illegible] Key Wells.
Sandy, silty & coral bottom. Intermixed
in all shells & [illegible]

On May 5th, 61, [illegible] 330 yds

Collection 5.5 hrs
Travel 1.0 "
6.5 "
Specimens 2.0 "
9.5 "

Rec [illegible]

Summer Mediterranean Key - East

A. Rare rocks [illegible] to [illegible] patty reef [illegible]
from mid-stream. [illegible], bottom of
Hexapoline - Counterpuncture.
Tequila Sunrise - Schoenfeld.
Neuter -

B - [illegible] on Nicollet [illegible] to 15 ft.
Coral, big clam - in mud
Conch, Egret - [illegible] shell
Conch - " " " , Sand
Conch on " "
Cockroach on " "
Clam on - [illegible] on [illegible]

Specimens [illegible] 5
Shallow [illegible]
[illegible] Inlet
[illegible]
Time - [illegible] 10
[illegible]
[illegible]
[illegible]

LM 75-79

5-29-79; from 12 M to 3 P.M.

Low water Range - Coral Creek pass
Hawk Channel shore:

Coral - Zone 1 is shingle 18"-30" coral
sand, almost to the beach 1 ft. 7 in.
Next 3 ft. zone is 3 ft. 4 in. coral
rock 100 ft. wide to 24"-30" deep; mostly
coral, sponges, algae, gorgonians, etc.
Zone 3 is sandy, Gorgonians, coral, sponges
Zone 4 is coral rock to sand bottom, sponges

Calculations - 1 ft 7 in
3 ft 4 in
1 ft 0 in
6 ft 11 in

Zone 3 100

Low tide 3:00 P.M.

Hawk Key Range, Entrance
Hawk Channel

A - Coral and rock ridge for 1/2 mile,
Almost all dry.

B - Beach - Almost all sand
Sand in water & Isopods
Epiphytes
Hermit crabs
Snails & Starfish
Gorgonians, sponges; etc
Coral heads, sponges

Zone 1 - 3 ft
Parallel to shore
Sponges
Coral - Algae, sponges
Zone 2 - 3 ft 4 in
Sponges, gorgonians
Coral heads
Zone 3 - 1 ft 0 in - Sand bottom
Fish - in Sand
Crabs, Conchs, etc
Sea Anemone on shell
Isopods, Starfish - in Sand

LM 26-29.

√ - 30 - 29 ; [illegible] 1:00 PM - 6:58 PM

13.3 miles

Q. Key Largo, Hawk Channel, A

Key Largo, Hawk Channel,

Cross-fish Sea Biscuit.

Carp Sponge

Crotch "

Yellow-green chalk sponge

Green mace Sponge

Black "

Conch - bed type

" "

Sea Plume

Common Fleshy

Rhinoceros Cerianthus

Tree - like sponge

Tube "

Cup-like Coral - Octopus

Sea Fan - Sponge

Key Largo

Sea Biscuit

Cup Sponge

Crotch "

Yellow-green chalk sponge

Green mace Sponge

Black "

Conch - bed type

" "

Sea Plume

Common Fleshy

Rhinoceros Cerianthus

Tree - like sponge

Tube "

Cup-like Coral - Octopus

Sea Fan - Sponge

Key Largo

Hawk Channel

Cross-fish

Sea Biscuit.

Cup Sponge

Crotch "

Yellow-green chalk sponge

Green mace Sponge

Black "

Conch - bed type

" "

Sea Plume

Common Fleshy

Rhinoceros Cerianthus

Tree - like sponge

Tube "

Cup-like Coral - Octopus

Sea Fan - Sponge

LM 27-49

As usual place as LM 26
S - 3 L - 49 ; Fr. 23rd P.M. to 6th P.M.

Collected especially in shallow
Bay - small clumps green spongy
Ed. -

A - 6" under L.W. - On sponges &c.
B. In rock pockets &c (Compact)
C - At 2' deep at L.W.

Collector	3.5 hrs.	
Assist	1.0 "	
	4.5 "	
	2	
Space	6.5 "	

Cost	10.0	
Photographs	1.20	
	2.30	

Sponges in Essex
Norfolk Channel.

2. Sponges
Vermicularia spirata
Worms -
Green - attached.
Microdictyon marshallense
Crusts - Encrusting red
Spirastrella carteri (on sponge)
Didemnum
Unidentified crustose (on sponge or ground)
Barnacle, Stem - attached
Tunic. gigantea - sponge 1.5" long
Stem Tunic.
Ascidians (on or near)
Fungiacava eilatensis (on sponge)
Ciona " " " " Ascidians
Crepidula
Gallinectes
Fish Polynemus triacanthus (Atlantic)
Natica (egg case - rare, 3/4" long)
Sycon ciliatum (on sponge)
Fromia ludwigi
Asterias
Ophiuroid
Ophiothrix

Christmas Island
Cocos Lagoon
Pinnotheres on Trochus, 23/5

LMK-19

June 3, 1949, from [illegible]

[illegible]

Cultivation 7 days

Broad 1.0 "

3.0 "

Egg 0.5 "

3.5 "

Cut 5/08

10 gals Formaldehyde 17.50

13.50

LM 29-49

6 - 6 - 49 : from 6°°am - 10¹⁵am

3.3 mi SW of Stuarts Key Drawbridge.

Bottom [illegible]

- Some water 8°°am

Temp 8°°am at 18" dep, 28°C

" at 11°° " " " " 30°C

Cyclotella 4,0 lins.

Navicula 1,0 "

" 5,0 "

Synedra 2,0 "

7,0 "

Cam 10°

Fowey Rocks Channel Key

14 mi SW of Rock Harbor bridge.

Large crab, very large, clear, [illegible] water, lightgreen weeds on sand bottom

Shrimp in Navicula bloom [illegible]

Other crabs

Ctenophores in print?

Synedra

Chaetoceros

Diatom plankton

Pyrocystis

Noctiluca [illegible] 6°°

Bottom [illegible] 10°°

Other fish

Shrimp

Green [illegible] embedded in sand - Sponge [illegible] all over, [illegible] to 3" wide

Crayfish around, [illegible] grass [illegible]

[illegible] Navicula bloom

Fowey Rocks

Small [illegible] Pyrocystis [illegible]

Diatom.

Ctenophores

LM 30-49

6-6-49; Fr. 9°5 Bot. - 12°5 Mn
L.W. at 10.20 a.m.

Dawn on LM 19-49, Veil grey
further out Normal Channel.

Temp	29.5° C	at 10.20 a.m.
Surf.	30.5° C	at 12 M
7' Dep	31.5° C	at 1.30 P.M.

Collected	4.0 lbs.
Formol	2.0 "
	6.0 "
Spec.	2.0 "
	8.0 "

Com	1.00
Dup	1.00
	2.00

Key - Ent. Cont
Hook Channel

Red Clad Sponge
Bryozoan Corraline on gravel.
Coral - mostly
Coral with Black Accretion over track, dead
+ disturbed for 1 mile, just live Coral.
Dead Finds
Sponges "
Shrimp
Crayfish - Normal
Normal Conts in P. Crassa

Astrea Coccinea
&c
Pebbles about 1 in 3 on bed Sands
Lepidonotus
Lithodes Hystrix
Pebbles Very Coral. On Mud Coral
Stylaster Sanguineus
Brown Pebbles
Dead Coral
Accidental Coral
Murex
Brown Pebbles
Rock Cod

LM 31-49

L. E-49, from 1:30 P.M., 2:30 P.M.

On Canal Key where canal bench is a 3'-4' wide flat ground

Collection 1.0 h.
Travel 1.0 h.
2.0 h.

Other charges
as usual in LM 30

Coconut Key. West
Bay side
6.3 mi N.E. of Summerhaven P.O.

June 1 - light -
Trichoptera, mosquitoes

Bottom deposits
(Detritus below above)

Above June 1 -
Immediately on grass,
trees, etc.

LM 32-39

6-7-39: pt 10.5 am - 7 2nd Pin

Post 11th Area

Temp. 6" deep at 10th am 32.0°C

" at same place at 2 pm 36.5°C

Rectum 36.5°C.

Sponge at LM 26-27-28

Bank very productive

Quite a lot of 200 spicule-bundles

to meet, in fact Canada at

Spicules very characteristic

at 100 yds, Canada geese flying at height

at 200 yds, big Canada flock at height

at 25th " Canada geese flock flying

low, flying in V formation, at height

at " " " " " "

at " " Mallard, Teal

Temp. Sea 200 yds.

Collection 4.0 hrs.

Travel 1.0 "

5.0 "

Office 1.0 "

6.0 "

Cars 10s

Kenfig Pool

Mouth Channel.

Red Sponge with brittle projections

Sea Gulfs drinking there

Bathing in Red Sponge

Other "

Crater Outline

Pebbles

Rocks

Rocky Sponge Ground covering 10 sq.

Pebbles & Sponge - in Crater

Sponge in Rocky Ground

Rocks

Boat Sponge - Stony

Hyperint - on Sponge

Star Fish "Redastein?

"Hungaria"

Purple Sponge

Dead Sea

Sponge?

LM 33.49

Collected 6-8-49; from 10 [illegible] - 1 [illegible]
Row under 12 M apparent

Temp 8:15 AM Noon - 30° C.

A 6'-10' platform coral shelf from
Sta 2 to Sta 3, third loop of tube 5'-6'
deep where rock into tube ends
for hard consolidation zone back

Collection 3.0 hrs.
Travel 2.0 "
5.0 "

Specimen 1.5 "
6.5 "

Col: 1st

Plate Lamb Bight
[illegible]
W Bimini, below Indian Key Iron Bridge

[illegible]
Nesteri
Tissuiella mars.
Caulotheca tinctus?
Rhaphidonema
Cirrus dendritic
Stenogramma
[illegible]
Pinta mamma plastica
Col.
[illegible]
Col: [illegible]
[illegible]
Dendrophyllia discoantha
[illegible]

LM 3d-49

6-9-49; from 11⁰⁵ A.M.-3³⁰ P.M.

On Lower Matecumbe, on Hawk channel opposite LM 33.

~~Five Stations~~ Ridge (sandy then coral refuse & shell particles with sand) in Zone 1; then Zone and rather smooth coral rock for Zones 2 & 3

Zone 4 is coral with fine coral sand pockets, sloping gently. At 100 yds the water is 1 fm deep & 3 feet deep. Patches of rich living Gorgonia 6"-8" long, with coral sponge, etc, in it, creeping broad sand

S.W. 32.2°C at 3⁰⁰ P.M., 1 Dec.
F.W. 1⁰⁰ P.M.

Calliactis	4.5" dia.
Snail	2.0 "
	6.5 "
Specimens	4.0 "
	8.5 "

Off Indian Key Anchorage
Lower Matecumbe -
Hawk Channel.

By sifting out from pockets of 6" (Fw.
Murexiella spicina (clin)
Mytilus exustus (Grew mussel)
Pr Dimies truncata | crato
" lobata | Como, floridanus - shell only
Fasciculata - body

On 4th old shells in seaweed -
Astraea americana -
Cerithium
Crayfish
Crabs
Shrimp
Worms
At 2' deep (F.W.) near patches seaweed
in Big Head Sponge, Gorgonia, &c.
Sea Biscuit

In 6" of shallower
Calliactis - Brown, ~~with tentacles~~.

LMSC 19

6-10-19 from 10 Clear - 1:00 P.M.

Fish. 3:00 P.M. to Long Key.

Temp. S.W. 10:30 Am. 79.2°C Trans.

From We sail Long Key 0.4 mi SW
N Stranghand Point Naval, on Florida Bay side

Typical Bay bench - coral rocks &
Coral sand. Rare rocks recommonly.

Long Key near Jewfish Key -
Florida Bay -

Crayfish

Area

Area

Cassiopea tuberculata

Chiton - Ischnochiton, with
Encrusting green

LM 36

6-10-49; from 1:30 P.M. – 4:30 P.M.

F.W. 1:45 P.M. Alumni Club

Temp SW 72° F. Max – 32° E. No sunshine

See LM 39.

Cellulose 3.0 lbs.
Wood fibre
4.0 "
Sand 7.0
6.0 "
Lard 1 E
Cem (See LM 35)
100

Library Key - Hawk Channel

Act on front, mostly exposed by tides occasionally, Fair Tide.

Thor. Indigo
Fairy Shrimp
Gilded Blenniid Fish
Clown —
—
—
Polinices
Conch in Ascidian
Brittle Star in Coral Head

LM 31-69

Rain
In & out; from 12 M to 3:35 P.M. Storm

Surface temp 24.5°C.
Temp. Sur. 31°. Ice cream

Collections in bottle & 17" hoop net from 4 channels; canal on first flow at other first. Mostly specimens in net (with bottles) and water moved over

Collection 3,5 hrs
Travel 2,0
5,5
Sorting 2,0
7,5 "

Cans 12
2 @ 1
13

Tuesday, May - Hunter's Channel

Gear
Shoreline sweep
Trawl tow (2)
Plankton nights - hoop towed, in and
out 1 mile.
Fish in live storage in shelf - community
Water + some gut contents
Preserved specimens -
Depredation on Plankton

Plankton tow - surface (hoop net)
Bottom - Trawl
Fish - Seine

Low 31 ft

6 - 12 - 49; from 17[30] P. - 4[35] P.M.

Sea [illegible] 33 [illegible]

Barometer

Sur. 3 [30] P.M.

2 ft. Temp. 1[00] P.M. 29.5° C) In Sun.

" " 4[00] P.M. 30.0° C. " "

Collection 2.0 hrs

Travel 1.0 "

6.0

Spare 2.5 "

8.5 " .

Cont To[n]

Molecumbe Bight = Lower Matecumbe West

Florida Bay.

2[n] [illegible] Boat 1 - 2 Boys

[illegible]

2[n] Rain [illegible]

" [illegible]

Christmas Locality

Christmas Creek

"

Christmas Longitude

"

Temperature

Tide [illegible] Current [illegible]

[illegible] Tide [illegible] Current [illegible] Flood -

Ebb. To [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

Bottom Mud - in algae.

Brittle Stars - bottom [illegible]

Minute Gastropods on [illegible]

" [illegible]

Pennant worm.

Spider crab - Large.

LM 39-49

6-14-49; from 8th Ave to Mt. Pleasant Highway. Collected from Fruitvale. 1100 P.

On sand flats on Inlet, one calf, [illegible] Tongue Point on L.V.

Cyclo- 4 bars
Pseudo 1.5"
2.5"
Spon 2
1.5"

Cond 100

Mouse Island -
near Big Mouse Point

Bivagus genuensis, from 2" to 12" by thousands all picked on sand gravel flats on bird Island, in water 18" - 30" deep at N.T., one by rake at L.J.

Tivela Californiana - 1 broken at hinge
Bivagus Chatamensis - 1 " "

Corophium acutum V. C.
Gnorimosphaeroma Stimpsoni.
Cirolana concharum, under stones at high tide.
Calliopius laeviusculus - 1
Isopod - 1 1/2" x 1/2" under stone at high tide
Pleusymtes subglaber - 1
Idotea - from high tide
Praunus - 1
fish
Orchestia traskiana
Talorchestia fossor.
Corophium plumosum

Specimens = 7 1/2 lbs.

LM 140-49

6-IV-09 ; altitude, 2m 3m

One enemy barge, almost ...
to water.

Contact 0,5 km

No other change.

Foot Surgeon - Ok
bridge abutment, R.
Colorado Estates

Gen. Tegula
Meritina reclivata

For LM 39
Light shell from recon Pilot -
Fuchs.
Tellina
Burgia cumul.
Purpura
Arca -
Donax
Strigilina pura
Mytilus

LM 41-49

6-17-49 from 3 Elem - 7th Elem

Visited five Camp Fire Girls Camp Fire Girls Camp Fire Girls Camp Fire Girls Camp Fire Girls

Santa Rosa Creek
Camp Fire Girls

Collinsia - 3rd year growing
Hemizonia - 3 x H. Luzulifolia
Melanopus communis

Soil developed brick. Dr clay, silt and
Fragipan removed by erosion
Subsoil
Rock

Engelmann oak Shell mound Farmstead

Collinsia 2.0 hrs
Hemizonia 0.5
Total 2.5

LM/dr - 49

6-19-49; from 5 a.m. - 8:15 a.m.

Sandy shore from ocean side entrance on into Bay. Water [illegible] Bottom clear white sand. Mid tide, coming in.

Surface temp. 20° C.
8" temp. 19.8° C Same place

Cyclocalanus 3.0 ccm
Formol 1.5 "
4.5 "

Prep. Spec. 2.0 "
6.5 "

Cover 1 oz
Formol 1 oz Sandy
4 lbs

Destruction Bridge
Choctawhatchee Bay Entrance - west side

Ocean side, tide pool
Crabs, armed (callinectes?)
Hermits, both
Round worms?

Bay side - Mytilus
Hermit crabs in
Barnacles
Oysters } on
Calyptraea plana }

Polinices
Melongena corona
Thais floridana
Strombus pugilis
Cancellaria reticulata (Nuttall)
Pholadium

Fish - Gilpin
Flat Sgr major
"Sea Robin" (Pr. Pic. Harvard Sta.)

LM 43-49

6-18-49. N 5°5 P.M.

Burning room creek, like a
small head out, working pumps

Collecting 1½ days.

Prey Species 0.5 hrs

Boiling Creek, tributary of
Yellowstone River, 15 mi N of Tower.

Conspicuous Eel.

Packing & marking specimens
& supplies at Foundation, ex route
to Albion.

4.0 hrs.

Unloading 1.0 hr, at albion

5.0

Kind
of Service or Battle
Locality
Date
Hours
Weather

Direction

What doing

Position 1 - To cover
2 - To first approach
3 - Capture

4 - Testing point

(1) D.E. Route DER

			Jar.
		Rangeville	0
	Water - Key.		2
(2)	Sanders	DER	(3)
	~~Big Amaranth~~		–
	Mud Key.	In crock.	5
(4)	" Sm.	DER	6
	Pelican Rattler		(7)
	Crook Neck Key		8
	" " Sm.		9
	Injured Fiddler		10
(11)	Water Shark	DH bulk DER	11
	" "	DH Hancock	12
	" "	Ed Hancock	13
13	" Porpoise		14
14			15
15	Red Point		16
16	Grunt		17
17	Dogwood Key		18
(18)	" "	DER	19
19	Water Shark		20
20	" "		21

Hancock (2 Sand Bars Sm.)

~~21~~	Black Snake	Ky. DER	11
~~22~~	" "	Ky DER	11
23	Frigate Glass Snake		10
~~24~~	~~Spearing Cable~~		~~00~~

#1 DOR

"U"

Florida Keys, Specialist
Laryngectics

May 16 1949; at 7:30 PM h.c.
Following a shower

Marco Island; State Hy 57
Brackish water (tidal)

Had been crossing Hy and car
hood & me had run over him.
Jap straddles him - flight, collected
in neighbor house.
Moved (1) slowly toward shoulder
on approach of car. Head to one
ground - head to fender down as
struck wife tire. Head to move
as kept head to ground. Received
being placed in jar.
Had 3 more all sent on basis of his/8
in night jar - removed unattended
and treated on second day. Quiet
But died 3d day. Fed from Trib,
comatose; internal hemorrhage.

Immediately: Thru Dr. Gregg.

#2

Water Snake - Florida

Natrix

Nerodia

Many sp. of

North swampy dry.

Key Largo, on bluff / Florida Bay
opposite Methodist Church,
miles N.E. / Rock Harbor.

Head in line 2, (tube out)
under large flat rock, slightly
damp beneath; on coral rock, near
shoal,

Shrubbed out, probably waiting
for small fish!

Bit gloves when picked up but
not vicious otherwise. Still fight
When held daily in jar and fed
small fish and/or frogs every
other day.

10 ER
NY

#3

Scarlet Snake

Cemophora coccinea Blumenbach

Milan Bruce & Lundy

June 16, 1949; 10 30 P.M., no moon yet. Clear, following rain yesterday.

Camp Lawrence; 3.5 mi. East on Old County Road fr. State Hy 87.

In sand alongside cart path of unpaved road; in Pine-oak-palmetto association, with ponds every few hundred yards.

No fear of car, did not attempt to escape. Gentle.

DEK

"M"

#4 Nonvanne 300

Brown Water Snake
Natrix taxispilota
June 19, 1949; at 2:35 P.M.
Cloudy. clear. Mild &

Cr Broxson Landing on yellow R
N of Crawfordville, off State 61

In water at slough edge, body
in sight on bank about 2 ft back,
head & neck submerged - 6" visible,
head & surface.

Rubbed nose, tickled head finally
across eye and Bristol rod about neck.
Got rattled just as I tightened down
& bruised limberly into, & it, on
ground when dumping him up bank.
Hurt his neck, as showed stiff coil
as a heavy snake. Put in sack, then
basket. Bit at shoe when stepped thereby
twice. While moved, put head typical
S shaped again.

Put in pit with Moccasin & Rattler.
Frog when fell from log, tried & soared
to surround. Big rattler curious. Both
Moccasins & other snake fought.

1st Med. Surgical - Ward
Torrance Abrams Abrams
June 3d, 1949; 3 30 P.M.
Smokie, Asst. Ward, Williams

~~1st Med. & Surgical Ward~~
8 " W of Camp Kearney.

Crossing highway, still on shoulder, marshy both sides of highway.

Struck gravel strip, then crowded out for another strip, in marshy under body on the gb. Struck in ~~ditch~~ ditch. Would not turn

Ford

#6 Mud Snake. Female.

June 8th, 1949 10:00 P.M.
Clear.

1 mi N. of Camp Headquarters
along Hy 87, at "Pond #16"
by Lovely Road.

Crossing road, two feet out of
brush in ragweed, following

K D Egg

" M "

21 Pigeon Quills.

Jan 27, 1919; 4 2nd P.M.

2 mi. West of Camp Kearney.

Found in galvanized wire.

Headquarters Extra, Romita.

Gym

#6 Coronation Lamp (5)

1 yr. mo. W. of Coronation on Hy 87
Laundry
Entered June 5th, 09, 8 oc Bus.
Client
Been crowning Hy. Fled report
to be closed by noon Tuesday 11/8 mo.
1 yr. 5 mo. Ins. Oak pine palmetto
cabbage oak from Palmetto Rd to palmetto Rd
icicles when taken. Drive
to be repeatedly struck

(5)

di T Creek Valley - Sweet

June 9th, 49; 10 p.m.
Clear Sunday.
Indian under protection in yard
of Camp Commander.

Smoke room at Sunday when
dismissed. Slogged mess hall
skinned down with grease
but got finished finally.
Changed 6' stencil cages, then
slogged about, rained hard.

Bed

Breakfast menu
No 10 Epworth Abbey.

June 14th 1949; 1.30 P.m.

Cream tomato or tomato juice
meat & fish.

Very broiled Halibut; Spanish
head. Hot meat steak.

Hot sitting, hot & cold fish.

Jos

d 11 — Well Smoke — Clear
Dr Lind

June 6, 59 10:30 P.M.
Fowler + Brown

Mile W. of Camp known as Lind's
first clearing 1878.

Water in water, 2 or 3" deep, mud,
extended more &
no particular trail.

Ear movement, 2 or 3 feet forward,
all fast.

DER
11

Wiley Sanders Clan.

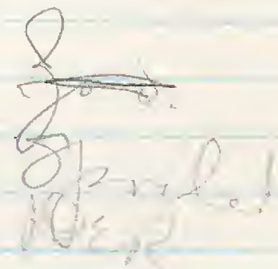
B.K Wells

Lucky

Spark

#1 Water Samples - Bacteria

Eco li



#16 Water Sample - Brown

Aug 29, 69; about 6 am
Dew heavy
#16 Pond, swimming, mud bottom

Good

A 15 Miles N Red Rock -

Nov 2, 1949; 8 A.M.
NW Sunday

Clear
Camp Arrowood.
Mother brook near Eagle Cage
in Jon yard -

Quiet.
Hermit been fed.

God

#1 Dictation

May 14, 1949; 1st P. M.
Clear. Tuesday.
Cross Timbers; near Gilmer, Texas in grass.
Dried brown.

Jack

17 Hydrometeorological Survey - Suwannee

June 2, 1949

Brown

Lemon Hill, Florida -

Jon

11 '18 Hog [illegible]

January 18, 19 - 10 a.m.

Friendly

1 mi West Jamestown on Rte 98

Crossing road.

DER

MSC

#19 Clark's Water Snake

Natrix

6-20-49; 10 35 P.M.

Cloudy, some drizzle.

Mi. W 7 Camp Navarre,
"Alligator Pond" N. 7 Hy 98.

In 7" water over 4" mud, some
scattered pond weeds and algae.
Clear, Red up leaving 2 Crocs
and [illegible], [illegible] 2 Big Lts
Picked up by Penny by hand,
[illegible] struggled [illegible]
[illegible] attempted.

300

#20 Clark Water Sink
Nitrate
6 - 20 - 59 ; 1120 a.m.
Cloudy, some drizzle

Sample

D

Zero

21 Black Smith

DER
Ng

72 Block Supply
Brick Lot

6-20-49;

DER
Mg

n3 Kurs 1957

Zahn

:+ Cond Log

Design

5-8-49 to 5-20-49 inclusive

	Hrs.	Col
1	7.5	1.00
2	7.0	1.00
3	7.0	
4	9.0	
5	6.0	1.00
6	5.0	1.00
7	3.5	
8	9.0	1.00
9	6.5	
10	6.0	1.00
11	5.5	1.00
12	4.5	1.00
13	8.5	
14	5.0	1.00

3

90.0 9.00

7.50
45.00
6.50
67.50
9
76.50 Total

Perfect attd

5/21/49 to 6/3/49

	Hrs	Col	Ally	Trans.	Jud
16	6.0		1.00	(1.00)	
17	6.5	1.00			
18	5.5	1.00			
19	6.0	1.00	7.0		
20	9.0	1.00		60	(1.00)
21	7.5	1.00	1.20		
22	7.5	1.00	(1.25)	3.50	
23	5.0	1.00			
24	8.5	1.00			
25	9.5	1.00			
26	8.5	1.00			
27	7.5	1.00			
28	6.5	1.00	1.00		
29	3.5	1.00	(12.50)		
	97.0	13.00	16.15	5.30	1.00

13
5.30
1.00
37.45

48.45
2.79
12.50
3.75
110.20 Total

Perfect 6/8/49

	Hrs	Cr.	Irg	Alg	Tom
29	7.0	1.00			
30	8.0	1.00	1.00		
31	2.0				
32	7.0	1.00			
33	6.5	1.00			
34	8.5	1.00			
35	5.5	1.00			
36	6.0		1.00		
37	7.5	1.00	1.00		
38	8.5	1.00			
39	7.5	1.00			
40	0.5				
41	2.5				
42	6.5	1.00		1.00	
43	0.5				
44	5.0	Supplem, Eval + material.			
	89.0	10.00	3.00	1.00	
22 "	.75	3			
	445	1			
	123	14.00			
	16.75				
	14				
	90.75	2 x 6			

80.75
76.50
110.25
267.50

Revised 7/19/69